

Abstract

CDMA base-station comprising a transmit stage (2, 4, 7, 9, 10, 11, 12) and a receive stage (3, 5, 8, 13) for communicating with mobile terminals has been provided. The transmit stage comprises a multi carrier power amplifier having at least two independent power modules (10, 11) for transmitting signals on at least one traffic channel (TCH) and control and pilot signals on at least one control channel (CCH). Each power module (10, 11) is capable of being operational although the other power module is non-operational. The at least two power modules are normally operating simultaneously and each is contributing with emitting power. The CDMA base station moreover comprises a control module (16) monitoring the error status of the power modules in the base station. When an error signal is detected in a base-station indicative of an error in a power module (10, 11), the system immediately ends operation of all traffic channels associated with the erroneous power module (10, 11), but sustains operation of the at least one control channel.

fig. 2